

Comment on the proposal to emend the spelling of CLIONIDAE d'Orbigny, 1851 (Porifera, Hadromerida) to CLIONAIDAE to remove homonymy with CLIONIDAE Rafinesque, 1815 (Mollusca)
(Case 3211; see BZN 60: 99–102)

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We are pleased to see that the homonymy between CLIONIDAE Rafinesque, 1815 (Mollusca, Pteropoda, Gymnosomata) and CLIONIDAE d'Orbigny, 1851 (Porifera, Hadromerida) has finally been raised. It would have been resolved a long time ago were it not for the ambiguity over Rafinesque's (1815) use of '*Clione* R. *Clio* Brown' for the type genus of his subfamily 'Clionidia'. Nonetheless, we support the proposal by Bouchet & Rützler as a logical and practical solution by changing the name of the junior homonym to CLIONAIDAE. This change will cause no disruption for molluscan specialists and minimal disruption for sponge specialists, particularly because the change has already been foreshadowed in the influential book *Systema Porifera*.

We believe that the proposal by Bouchet & Rützler does not fully cover the present case. We therefore offer the following additional data for consideration by the Commission so as to achieve closure of all aspects of this application.

Our analysis of the molluscan genus-group taxa proposed by Rafinesque in his *Analyse* (1815, pp. 139–148; for an English translation see: Cain, 1990, pp. 176–180) (for a list see: Iredale, 1911, p. 262) indicates each and every one to be a new or replacement name, not taken over from previous authors. There is no reason whatsoever to make an exception in the present instance, or to accept at face value '*Clione* R.' as the same as the earlier introduction by Pallas (1774) of a genus name of the same spelling.

The name *Clione* Rafinesque, 1815, introduced as 'G.6. *Clione* R. *Clio* Brown', is indeed a junior homonym of *Clione* Pallas, 1774. As such it is unavailable as the type genus of a family name (see Article 39). Therefore, a family-group name '*Clionidia* Rafinesque, 1815' has neither validity nor standing, and the next available name must be brought into use.

As pointed out by Bouchet & Rützler in their application, the similarity of the names *Clio* Linnaeus, 1767 (Mollusca, Thecosomata) and *Clione* Pallas, 1774 (Mollusca, Gymnosomata) has meant that usage of both has been extremely confused. Gray (1840, p. 151), to whom the family name has been attributed by several authors, used CLIONIDAE, however the only included genus was *Clio* Linnaeus, 1767, which cannot be construed as the type genus. Unequivocal usage of a family-group name based solely upon *Clione* Pallas, 1774 appears to rest with Gray (1847, p. 204), as CLIONIDAE, thus fortunately retaining priority of this family name in

Mollusca. Gray (1850, p. 124) later used the spelling CLIONEIDAE and yet another variant. CLIONACEA, was employed by Philippi (1853, p. 295).

The name CLIOIDAE, currently in use for the thecosomatous family of molluscs based on *Clio* Linnaeus, 1767, is incorrectly formed from the Greek root. Woodward (1854, p. 208) was the first to use the correct spelling CLIIDAE, but 26 years earlier Menke (1828, p. 5) had introduced a family taxon CLIODINAE based upon the type genus '*Clio*. Br.' = *Clio* Linnaeus, 1767. Although the suffix -INAE is incorrect for a family name (Article 29.2), the name is still available. Thus, with a corrected suffix and original authorship and date (Article 11.7.1.3), the family name is CLIIDAE Menke, 1828 and henceforth CLIIDAE Menke, 1828 should be used as the correct name for the family of thecosomes, not CLIOIDAE. Menke (1830, p. 9) also spelled the name CLIOIDAE, but that is an incorrect subsequent spelling of CLIIDAE.

Some years earlier, Férussac (1822, p. xxv) introduced the vernacular family-group name 'Les Clios', the included genera being *Clio* Linnaeus, 1767 and *Clione* Pallas, 1774. However, his tabular key qualification 'c) Sans test' indicates that he was in fact referring solely to the gymnosome *Clione* Pallas, 1774.

The International Commission on Zoological Nomenclature is accordingly asked to modify and extend the points of the original application by Bouchet & Rützler as follows:

- (1) to place on the Official List of Family-Group Names in Zoology the following names:
 - (a) CLIONIDAE Gray, 1847, type genus *Clione* Pallas, 1774 (Mollusca);
 - (b) CLIIDAE Menke, 1828, type genus *Clio* Linnaeus, 1767 (Mollusca);
- (2) to place on the Official Index of Rejected and Invalid Generic Names in Zoology, the name *Clione* Rafinesque, 1815 (a junior homonym of *Clione* Pallas, 1774, placed on the Official List of Generic Names in Zoology in (2)(b) in the application) (Mollusca);
- (3) to place on the Official List of Rejected and Invalid Family-Group Names in Zoology the names:
 - (a) CLIONIDIA Rafinesque, 1815 (an invalid name based upon the junior homonym *Clione* Rafinesque, 1815, non *Clione* Pallas, 1774, placed on the Official List of Generic Names in Zoology in para. 7 (2)(b) in the application) (Mollusca);
 - (b) CLIOEIDAE Gray, 1850 (an incorrect subsequent spelling of CLIONIDAE in (1)(a) above) (Mollusca);
 - (c) CLIONACEA Philippi, 1853 (an incorrect subsequent spelling of CLIONIDAE in (1)(a) above) (Mollusca);
 - (d) CLIODINAE Menke, 1828 (an incorrect original spelling of CLIIDAE in (1)(b) above) (Mollusca);
 - (e) CLIOIDEA Menke, 1830 (an incorrect subsequent spelling of CLIIDAE in (1)(b) above) (Mollusca);
 - (f) CLIOIDAE van der Spoel, 1967 (an incorrect subsequent spelling of CLIIDAE in (1)(b) above) (Mollusca).

Additional references

Cain, A.J. 1990. Constantine Samuel Rafinesque Schmaltz on classification, etc. *Tryonia*, 20: 1-240.

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- Woodward, S.P. 1851–1856. *A Manual of the Mollusca* . . . 486 pp., 24 pls. London.

Comment on the proposed conservation of prevailing usage of TERMOPSISIDAE
Holmgren, 1911, *Termopsis* Heer, 1849 and *Mioterme*s Rosen, 1913 (Insecta, Isoptera)
 (Case 3244; see BZN 60: 119–123, 303)

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1. This comment touches on two points arising from our application (BZN 60: 119–123) relating to the proposed conservation of the prevailing usage of TERMOPSISIDAE Holmgren, 1911, *Termopsis* Heer, 1849 and *Mioterme*s Rosen, 1913.

2. First, Dr Alonso-Zarazaga (BZN 60: 303) has provided points of clarification on the proposed conservation of usage of the three names concerned. He has correctly noted that in our application the gender of *Termopsis* was accidentally and quite erroneously labeled as masculine, when it is indeed feminine. His emendations to our request are valued and we wholeheartedly recommend that they be adopted.

3. Secondly, we have recently discovered that in a short note on termite classification Holmgren (1910, p. 285) made available the subfamily name STOLOTERMITINAE for *Stoloterme*s Hagen, 1858 (p. 105), type species by monotypy *Hodoterme*s (*Stoloterme*s) *brunneicornis* Hagen, 1858 (p. 105). Thus the name STOLOTERMITINAE has priority by one year over the name TERMOPSISIDAE, which Holmgren proposed as new in his 1911 monograph (p. 35). Accordingly, we propose that, in addition to the proposals put forward in BZN 60: 121, TERMOPSISIDAE be given precedence over STOLOTERMITINAE whenever their type genera are placed in the same family-group taxon.

4. Our full proposal therefore reads as follows:

The International Commission on Zoological Nomenclature is accordingly asked:

(1) to use its plenary power:

(a) to rule that the family-group name TERMOPSISIDAE Holmgren, 1911 and other family-group names based on *Termopsis* Heer, 1849 are to be given